OIPE CONTENTS

Title: OPTICAL SYSTEM FOR DETECTING DATA SIGNAL AND TRACKING ERROR SIGNAL

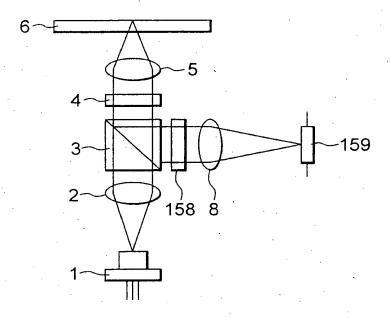


FIG. 1 PRIOR ART

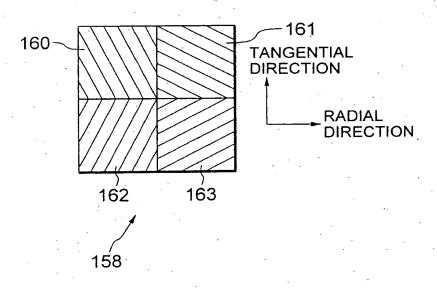


FIG. 2 PRIOR ART



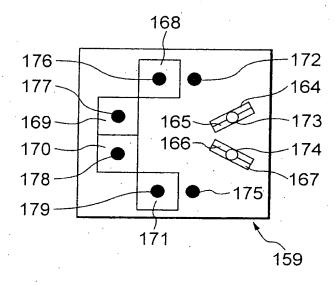


FIG. 3 PRIOR ART

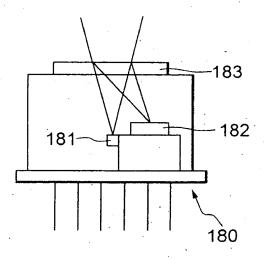


FIG. 4 PRIOR ART



Title: OPTICAL SYSTEM FOR DETECTING DATA SIGNAL AND TRACKING ERROR SIGNAL Inventor(s): Ryuichi KATAYAMA Appl. No.: 09/442,773

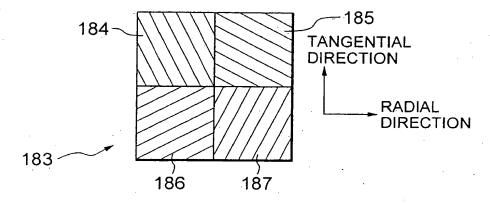


FIG. 5 PRIOR ART

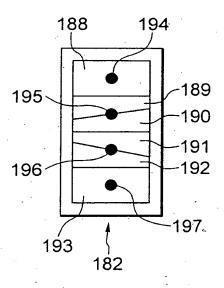


FIG. 6 PRIOR ART



Title: OPTICAL SYSTEM FOR DETECTING DATA SIGNAL AND TRACKING ERROR SIGNAL Inventor(s): Ryuichi KATAYAMA Appl. No.: 09/442,773

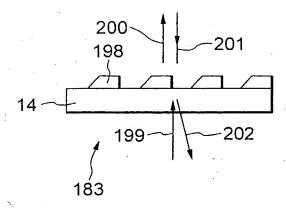


FIG. 7 PRIOR ART

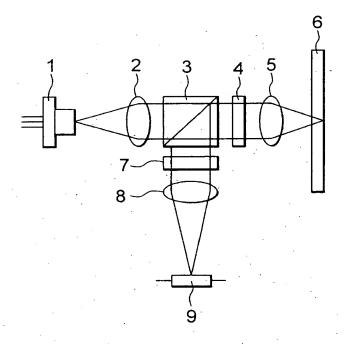


FIG. 8



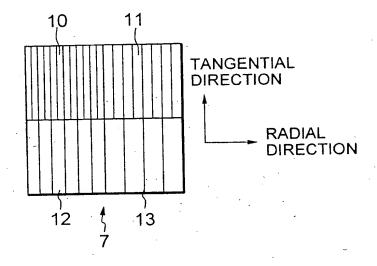


FIG. 9

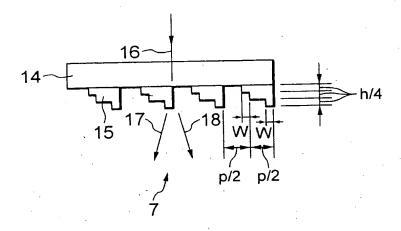


FIG. 10

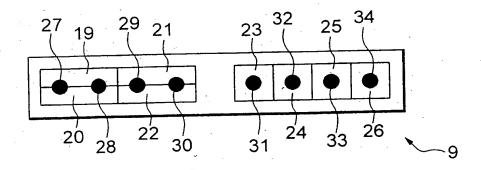


FIG. 11

WAR TRAILER

Title: OPTICAL SYSTEM FOR DETECTING DATA SIGNAL AND TRACKING ERROR SIGNAL

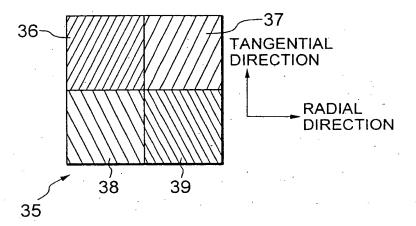


FIG. 12

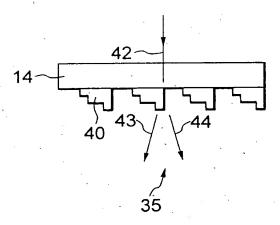


FIG. 13A

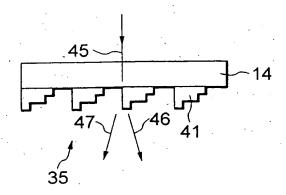


FIG. 13B



Title: OPTICAL SYSTEM FOR DETECTING DATA SIGNAL AND TRACKING ERROR SIGNAL Inventor(s): Ryuichi KATAYAMA

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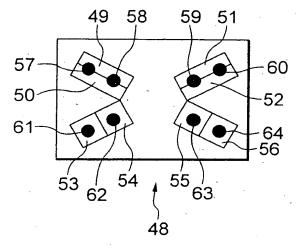


FIG. 14

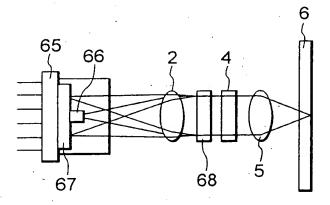


FIG. 15

PE CENTRAL PROPERTY

Title: OPTICAL SYSTEM FOR DETECTING DATA SIGNAL AND TRACKING ERROR SIGNAL Inventor(s): Ryuichi KATAYAMA

Appl. No.: 09/442,773

70 73 74 69 d/4 h/4 h/4 75 76 WW 72 p/2 p/2

FIG. 16

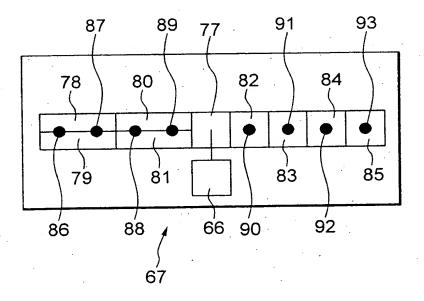


FIG. 17



Title: OPTICAL SYSTEM FOR DETECTING DATA SIGNAL AND

TRACKING ERROR SIGNAL Inventor(s): Ryuichi KATAYAMA Appl. No.: 09/442,773

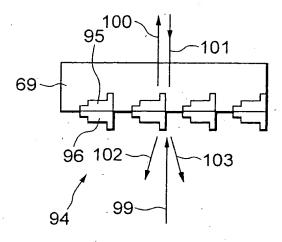


FIG. 18A

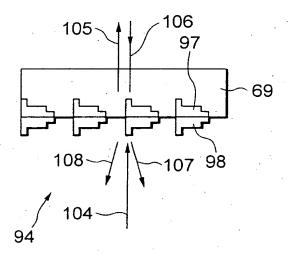


FIG. 18B



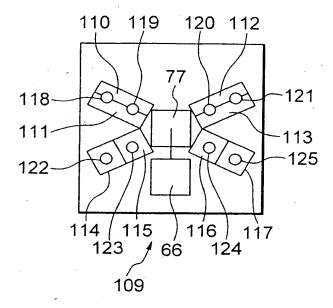


FIG. 19

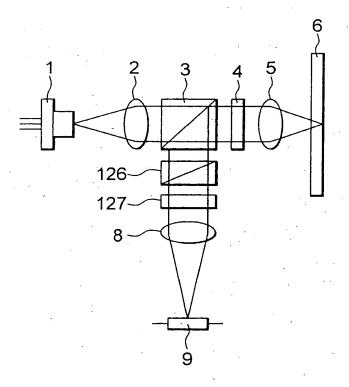


FIG. 20



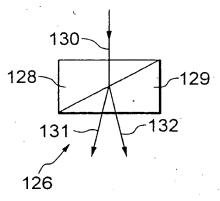


FIG. 21A

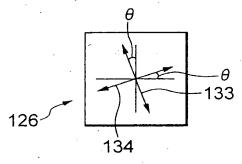


FIG. 21B

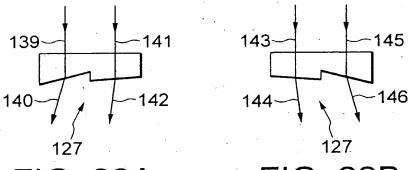


FIG. 22A

FIG. 22B

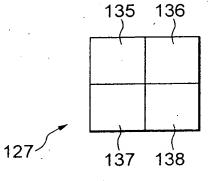


FIG. 22C

PER LA TRACELLA

Title: OPTICAL SYSTEM FOR DETECTING DATA SIGNAL AND TRACKING ERROR SIGNAL Inventor(s): Ryuichi KATAYAMA

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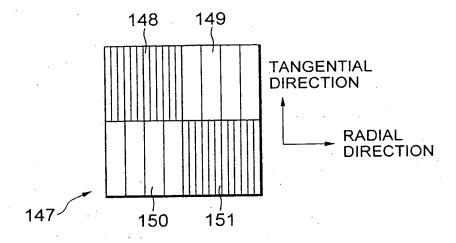


FIG. 23

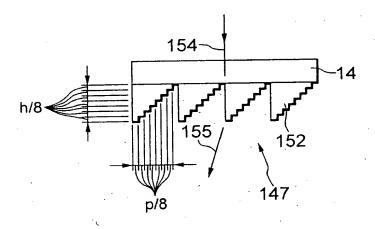


FIG. 24A

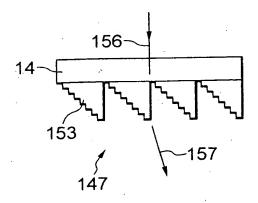


FIG. 24B